



Individual Protection Directorate (IPD)

Mission: To plan, execute, and rapidly transition research, development, and engineering support of protective clothing and individual equipment technology.

Vision: To be the leader and preferred source for individual protection technology.

Strategic Initiatives: Transition Technology, Solve Field Problems, Joint Focus, Customer Satisfaction, and Partnering and Collaboration.

Science & Technology:

Ballistic Technology Team provides state-of-the-art advancements in lightweight ballistic protective materials and systems to protect individual Soldiers from multiple ballistic threats (e.g. fragmentation/bullets/blast).

Chemical Technology Team provides state-of-the-art advancements in chemical/ biological protective materials/ensembles and microclimate conditioning systems to provide protection in nuclear, biological, chemical (NBC) environments.

Materials & Systems Integration Team conducts research to develop multifunctional material systems that are durable/cost effective and protect against a variety of hazards, such as flame, environmental and surveillance.

Fiber Processing & Technology Team supports research and development, a pilot plant and full scale production capabilities in single and multicomponent fiber extrusion.

Advanced Technology Team reviews and analyzes the potential value of advanced technologies for insertion into Soldier systems.

Joint Service Product Development:

Army Soldier Systems Engineering Team supports Program Executive Office Soldier in design and fielding individual combat clothing, equipment, footwear and load carriage gear that integrates technology to make a more mobile, more survivable, and more lethal Warfighter. Provides technical, programmatic and acquisition support to the US Marine Corps in the development of materials and methods for clothing and individual combat equipment.

Special Operations Forces (SOF) Special Projects Team is responsible for joint SOF (Army, Navy, USMC and Air Force) development and fielding of personal clothing and equipment.

Technical Support:

Engineering, Prototype and Performance Evaluation Team provides technical support for multiple customers in engineering design and performs testing and performance evaluations on the functional properties of textile-based materials. Establishes digital color acceptability criteria for use in procuring military items, produces quality prototypes for textile-based items and pursues stitchless and other novel technologies for end-item fabrication.

Unique Capabilities & Facilities:

Some of our facilities/laboratories include: ISO Certified Textile Performance Testing Facility, ISO Certified Fiber Production and Research Facility, Camouflage Evaluation Facility, Design and Prototype Facility, Computer Aided Design & Rapid Prototyping Laboratory, Digital Inkjet Textile Design and Printing System, Footwear Performance Laboratory, and the Man-in-Simulant Test (MIST) Chamber.

Point of Contact:

Individual Protection Liaison

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INDIVIDUAL
PROTECTION



DIRECTORATE



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